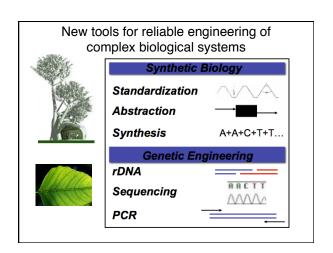
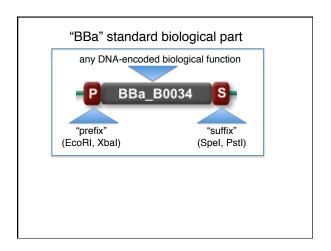
System Engineering

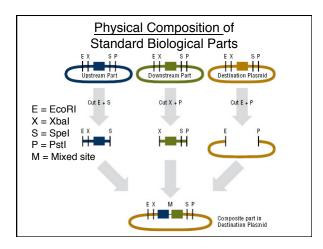
20.109(F11) M2D3 lecture 10.20.11

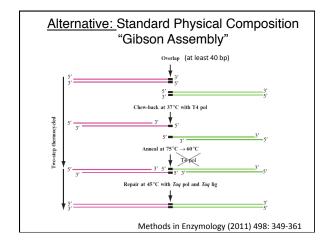


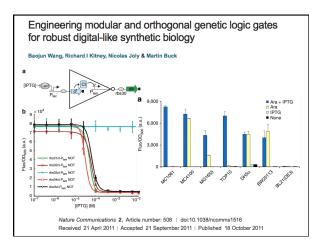


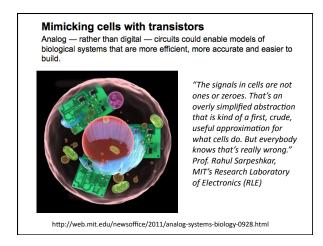


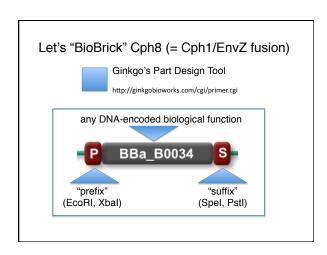


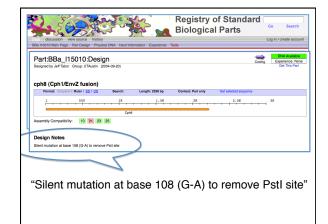


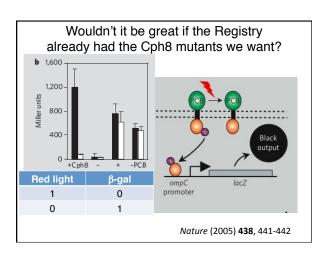


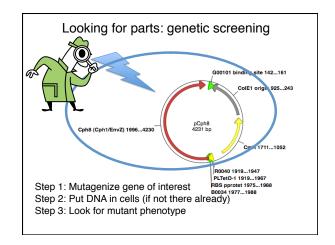


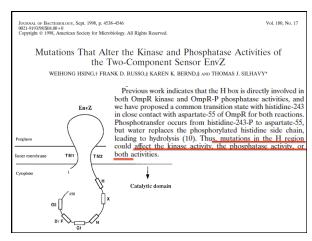


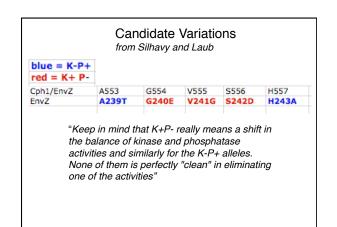












EnvZ	A239T	G240E	V241G	S242D	H243A
Cph8 = Cph1/EnvZ	A553	G554	V555	S556	H557
wt seq	GCG	GGG	GTA	AGT	CAC
nutagenesis oligo NO294	RNS				
mutagenesis oligo NO295		R =	G, A		GCC
poss aa	Val		G, A,	T, C	Ala
blue = K-P+	Ala	S =	G, C		
	Asp				
red = K+ P-	Glu				
	Gly				
	Ile				
	Met				
	Thr				
	Asn				
	Lys				
	Ser				
	Arg				
# poss codons	16				1
# poss aa	12				1

